

Date:

Sub- Division: _____
 Bill Received No. _____ Dated _____ Cash Book Voucher No. _____ dated _____
 _____ Providing Electrification and _____

division, Contractor and Full Address: M/s Benaka Developers & Projects Private Ltd.
 Work Order No.: EE/(Elec)/DZ/WO/0000029/2018-19
 Reference to Agreement 14 Date 2-09-2018

Contractor

Contractor

For Benaka Developers And Projects Pvt. Ltd

Certified that the meas
work is satisfactorily executed.

Officer in charge of work
JUNIOR ENGINEER (Ele)

Bruhath Bangalore Mahanagara Palike
Dasarahalli Zone, Bangalore

work is satisfactorily executed. Certified that the quantities of materials shown in columns 3 of Account II have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of an imperishable nature and are all required for immediate use on the work in the connection with item for finished work have been agreed upon. And normal agreement signed and executed by the contractor is recorded in the office.

ASS. Sub-division ENGINEER (Ele)

106)	Total value of work done or supplies as per account within	Bruhath Bangalore Mahanagara Palike Dasarahalli Zone, Bangalore
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107) Deduct amount to be held in reserve being
.....percent Rs.....

108)	"	Balance
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109) Deduct payment :

qq) Amount of previous payment as in the Office Cash Book Voucher

No. Dated S.D. No.

Amount adjusted towards cash advance recovery of

rr) Payments cost store or other material supplied.

Now made recovery amount creditable to this/ other work

Amount paid on this bill cheque/cash

110) Balance being unpaid value of work done held in reserve

6) Deduct cash advance made on the Office Cash Book Voucher
No..... dated.....less adjustments

7) Net amount due to or from contractor

Unadjusted items

8) Advance to contractor for materials brought to site (as detailed) within Value of Government materials supplied

For Benak Contractors And Biocatalytic Ltd

Received Rs.....(in words)

by cash and adjustment of payment as per memorandum.

Witnesses :

1.

2. For Benaka Developers And Projects Pvt. Ltd

Dated Signature of contractor

Paid by me by cheque No.....Dated

Cash Rs. NARAHARI D. Dated

Managing Director

Initials of Officer making payment

Audited and admitted (For use in the office)

Passed by Cheque for Rs. 365718

Three Lakhs sixty five

Harvard Square, hundred floor

St. Lawrence School, Natchez, MS

Executive Engineer (Ele)

[Signature]
County Superintendent

Exe. Engineer (E/e)

B.B.M.P. Dasarahalli Division

Sl. No	Description of Item	
	Name Of Work:- Providing Electrification and Fixtures to Bangalore one office and tax office multipurpose building in ward no 13 in shettyhalli sub division.	
1	Concealed Conduit System Supplying heavy gauge PVC conduit pipe mm dia mm thick confirming to IS 2509 with suitable size bends, metal/PVC junction boxes, adhesive paste etc., and running before concreting the slab. The conduit should be tied to the reinforcement rods by using binding wires and unused ways of junction boxes and pipe ends should be covered using PVC end enclosures, run with 18SWG GI fish wire wherever necessary 25mm dia 2mm thick	Mtrs
2	Supplying heavy gauge PVC Conduit Pipe dia mm thick with suitable size bends, metal junction boxes adhesive paste etc., by groove cutting in the wall and fixing by bracing U or J hooks and cement plastering up to the wall surface and run with 18 SWG GI fish wire run throughout the conduit wherever necessary. 25mm dia 2mm thick	Mtrs
3	Supplying And Fixing Metal Fan Box with Round Hook.	No
4	Supplying and flush mounting powder coated / galvanized metal box suitable for mounting modular switch plates. The box should be firmly flush mounted after due groove cutting in Brick/Stone/C.C. wall. 1-3Way	Nos
5	4-5 Way	Nos
6	6 Way	Nos
7	8 Way	Nos
8	10-12 Way	Nos
9	Supplying and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos. of machine screws, bolts nuts etc., complete on the existing metal/PVC box. 1 to 3 Module	Nos
10	4 Module	Nos
11	6 Module	Nos
12	8 Module	Nos
13	12 Module	Nos
14	Supplying and fixing of modular switch/ Socket/stepped electronic fan regulator/ dimmer/telephone socket etc on existing modular switch plate as per IS 3854 and IS 1293 GROUP B 6Amps one way switch.	Nos
15	6Amps 3way socket.	Nos
16	Stepped Fan Regulator.	Nos
17	16Amps one way switch	Nos
18	6/16Amps universal socket	Nos
19	Supplying and fixing PBBC/Bakelite straight or slant batten holder and wiring with 60w/230 volts lamps.	Nos
20	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand Copper conductor single core wire in open or concealed system of wiring as per IS-694:1990 & confirming to GTP of GROUP -B.1.5 sqmm	Mtrs
21	2.5 sqmm	Mtr.
22	4 sqmm	Mtr.
23	Extra for supplying 4mm thick white plastic plate and covering for junction boxes of size mm conduit using necessary machine screws. 80mm	Nos
24	Point wiring using Copper wire without switch. Supplying and wiring adopting loop system in existing PVC Conduit / casing capping using 1100V grade, COPPER conductor flexible multistrand FRLS PVC insulated, 2X1.5Sq.mm Cable confirming to the GTP without switch, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block complete for each outlet. GROUP B Short point upto 3Mtr from tapping point to out let via switch box	Points
25	Medium point above 3Mtr upto 6Mtr from tapping point to out let via switch box	Point
26	Long point above 6Mtr upto 10Mtr from tapping point to out let via switch box	Point

Previous Measurement		Present Measurement			Total Upto Date		Remarks
Qty	Cost	Qty	Rate	Amount	Qty	Cost	
		222	57.00	12654.00	222	12654.00	
		71	58.00	4118.00	71	4118.00	
		12	92.00	1104.00	12	1104.00	
		11	91.00	1001.00	11	1001.00	
		2	98.00	196.00	2	196.00	
		8	121.00	968.00	8	968.00	
		5	140.00	700.00	5	700.00	
		5	159.00	795.00	5	795.00	
		11	109.00	1199.00	11	1199.00	
		2	122.00	244.00	2	244.00	
		8	173.00	1384.00	8	1384.00	
		5	200.00	1000.00	5	1000.00	
		5	267.00	1335.00	5	1335.00	
		63	63.00	3969.00	63	3969.00	
		10	95.00	950.00	10	950.00	
		9	286.00	2574.00	9	2574.00	
		3	114.00	342.00	3	342.00	
		3	147.00	441.00	3	441.00	
		20	88.00	1760.00	20	1760.00	
		347	15.90	5517.30	347	5517.30	
		248	24.90	6175.20	248	6175.20	
		150	36.30	5445.00	150	5445.00	
		15	9.00	135.00	15	135.00	
		8	130.00	1040.00	8	1040.00	
		20	190.00	3800.00	20	3800.00	
		25	291.00	7275.00	25	7275.00	

27	Supplying and fixing regular MCB distribution boards on wall / wood board / flush mounting using required clamps, bolts, nuts etc., with provision for fixing suitable type capacity MCB's single phase / 3 phase / single door with powder coated painting. Made out of 14 SWG MS enclosure.II - Double Door 8Way SP &N	Nos
28	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898. 5-32 Amps DP	Nos
29	LED Indoor Supplying of 2' feet - LED PVC Square Batten ..W with high quality diffuser with Life of 25000 burning hours & 70% lumen maintenance with CRI > 80. Power Input: 220-240V @ 50Hz & Power factor >0.9 along with CE approved drivers. 5 years Warranty against any manufacturing defect working under standard electrical condition LED light fighting 4' - 28 watts	
30	Supply of LED Square Recessed Down lighter with 18W System Wattage. Housing shall be with powder coated pressure die cast aluminum alloy with corrosion resistant polyester powder coat & with extended heat sink. Diffuser/cover made of Lexan plastic material. Rated life shall be L70 @ 50000 Hrs. which shall have inbuilt electrical protection like over/under voltage, short circuit, overload, open circuit & miswiring. Driver is on constant current driver output driver @ 0.06A with PF > 0.9 with line voltage @ 220-240V @ 50/60Hz, driver efficiency > 85% & THD < 15%. LED Efficiency > 130 lm/W at 1W & Fixture Efficiency > 75lm/w with CRI > 75 with injection moulded Polycarbonate lens. 5 years Warranty against any manufacturing defect working under standard electrical condition.	No
31	Supplying of 1440rpm heavy duty exhaust fan with bracket blades suitable to operate on 230V 50Hz, AC Supply complete. 12" Sweep (300mm)	No
32	Supplying capacitor type ceiling fan complete with down rod blades, shackle, canopies etc., for operation on 230 volts, 50 cycles. Single phase AC supply conforming to ISS-374-1979 and with double ball bearing system. 48" Sweep (1200mm) Regular model	Nos
33	Supplying wall mounting fan suitable to operate at single-phase 230v A.C. supply. 400mm Sweep	Nos
34	Fixing all types and all capacities of fluorescent / false ceiling / spot light / CFL / LED fittings indoor on the wall / ceiling / rafters / girders using 23/0.0076" twin twisted PVC insulated wires, required Nos of round blocks and clamps. On wall / ceiling / Rafter / Girders	Nos
35	Fixing a ceiling / Wall mounting fan of all capacities and all types to the existing 'S' hook with fan regulator to the existing board together with supplying and fixing 5 amps. ceiling rose, necessary length of 23 / 0.0076 inch PVC insulated twin twisted copper wire and wiring.	Each
36	Supplying of 1.1 KV LT UG cable having aluminum conductor PVC insulated, extruded inner sheathed, galvanized, steel strip (except 2CX10Sq.mm wire armoured) confirming to IS-3975:1990 (No. of Strip indicated in GTP) & extruded PVC outer sheathed armoured cable with specified IS-1554 Part-1:1988 & confirming to GTP of GROUP-A.4 core 16 sqmm	Mtrs
37	Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe / stoneware pipe / on wall / on pole as required. On wall / Structure. 6 sqmm to 16 sqmm	Mtrs
38	Supplying and fixing of class A (medium duty) GI pipe of wall thickness not less than 3.25mm on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 KV. 40mm	Mtrs
39	Supplying and fixing L.T. cast Iron pot heads suitable for 1.1 KV class UG cable filled with necessary bitumen/insulating compound complete with terminals, clamps, bolts, nuts and washers etc. 16Sqmm	Nos
40	Fabricating supplying and mounting MS box made out ... SWG suitable for floor / wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished with 2 coats of red oxide primer paint and finally finished with approved colour enameled metal paint etc., complete. 16SWG	Sqcms
41	Supplying, fixing, wiring, earth electrode for grounding conduits, I.C. cutouts and other equipment's on the meter board using 40mm dia 2.90mm thick GI pipe 2.5 mtr long buried in a pit ... The pit should be filled with equal proportion of salt and charcoal 150mm all-round the pipe to complete depth. The connection from the pipe to the conduit etc., is to be established through GI wire of size as per ISI specification 7.3.3. of IS 732 using 12mm dia bolts, nuts, washers and check nuts etc., the pipe shall have 16 through holes of 122 mm dia	Nos

		1	1299.00	1299.00	1	1299.00	
		4	849.00	3396.00	4	3396.00	
	0.00	12	1774.00	21288.00	12	21288.00	
	0						
		8	4945.00	39560.00	8	39560.00	
	0.00	2	3654.00	7308.00	2	7308.00	
		9	2376.00	21384.00	9	21384.00	
		3	2534.00	7602.00	3	7602.00	
		20	98.00	1960.00	20	1960.00	
		14	139.00	1946.00	14	1946.00	
		30	140.40	4212.00	30	4212.00	
		30	31.00	930.00	30	930.00	
		5	345.00	1725.00	5	1725.00	
		1	280.00	280.00	1	280.00	
		9600	0.33	3168.00	9600	3168.00	
		0	2727.00	0.00	0	0.00	